



Earnest Commercial Construction Installs (125) Helical Piles as Deep Foundations for a New House in New Smyrna Beach, FL

January 2025



BK Earnest, LLC
Helical Pile Contractor
Servicing All of Florida
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Project Name & Location:	Single Family House - New Smyrna Beach, FL
Project Date:	January 2025
Project Type:	Helical Pile Deep Foundations
Helical Pile Installation Contractor:	BK Earnest, - Oviedo, FL
General Contractor:	William P. Campbell Custom Homes - Windermere, FL
Geotechnical Engineers:	Universal Engineering; Brian Pohl, P.E. & AGCI, Raja S. El-Awar, MSCE, P.E.
Structural Engineers:	Alba Engineering, Daniel Souter, P.E. - Orlando, FL
Helical Piles Specifications:	(125) 7' Leads with 7" & 10" Bearing Plates; 7' Extensions; All Galvanized
Soils & Embedment Depth:	Preliminary testing revealed an extremely dense layer at the scour line requiring small diameter piles to penetrate through the layer at least 7' per engineering recommendations
Project Timeline:	Project Schedule Around Turtle Nesting Season; Piles Installed in (3) Days
Helical Pile Manufacturer:	Helical Anchors, Inc. - Supplied by Patriot Foundation Systems

Project Overview

This was an empty lot on the Atlantic ocean that previously had a home on it. Because of hurricane activity, the new home was required to be built on a deep foundation system.

A seawall was erected (ordered by the government) along this stretch of seaboard before construction permitting was allowed.

